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AMENDMENTS TO CLAIMS

- Please delete claims 26, 28, 29, 37, 38, 41, 49, and 50.
- Please amend pending claims 1, 13, 27, 30, 39, 42, and 46, as indicated below. A complete listing of all claims and their status in the application are as follows:

1. (currently amended) A method for processing microdevices comprising:
providing a computer system having processing information related to the microdevices as a task;
providing a legacy processing system;
providing a non-legacy processing system for operating independently from the computer system;
providing the task from the computer system to the legacy processing system with constant interaction therebetween;
providing the task from the computer system to the non-legacy processing system for performing the task by the non-legacy processing system independent of the computer system;
developing return non-legacy information resulting from the non-legacy processing system using the task;
returning the return non-legacy information to the computer system;
~~providing processing system setup and shutdown parameters;~~
~~providing processing system process-specific parameters;~~
providing the processing system setup parameters to the legacy processing system and the non-legacy processing system;
providing the processing system shutdown parameters to the non-legacy processing system simultaneously with the processing system setup parameters;
providing the number of processed microdevices to be output from the legacy processing system and the non-legacy processing system;
providing processing system process-specific parameters to the legacy processing system and the non-legacy processing system;
controlling the handling of the microdevices;
processing the microdevices;

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providing the processing system shutdown parameters to the legacy processing system;

providing a number of microdevices;

determining the number of microdevices processed;

determining the number of microdevices handled; and

developing statistics from the number of microdevices processed and handled.

2. (previously presented) The method as claimed in claim 1 additionally comprising:

providing a microdevice programming system in the legacy processing system, the legacy processing system having an on-line connection with said computer system; and

programming the microdevices in the microdevice programming system using the task provided through the on-line connection from the computer system to the processing system.

3. (previously presented) The method as claimed in claim 1 additionally comprising:

providing an operator mode;

providing a microdevice programming system in the non-legacy processing system, the microdevice programming system standing alone from the computer system;

using the processing information for the task in the operator mode in the non-legacy processing system independent from the computer system;

returning return information in the operator mode from the non-legacy processing system using portable medium to the computer system; and

storing the return information in the computer system.

4. (previously presented) The method as claimed in claim 1 additionally comprising:

providing an administrator mode;

providing programming information related to the task in the administrator mode;

editing the processing and programming information related to the task in the administrator mode; and

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storing the processing and programming information related to the microdevices for the legacy processing system and the non-legacy processing system as the task in the administrator mode.

Claims 5-6 (cancelled)

7. (previously presented) The method as claimed in claim 1 additionally comprising:

serializing the microdevices; and
maintaining a log of the serialized microdevices.

8. (previously presented) The method as claimed in claim 1 additionally comprising:

combining a plurality of tasks to define a kit; and
performing the processing of a kit in the legacy processing system and the non-legacy processing system.

9. (previously presented) The method as claimed in claim 1 additionally comprising:

providing microdevice information;
providing processing system setup parameters;
providing format information related to the non-legacy processing system;
inputting the number of processed microdevices to be output from the non-legacy processing system;
providing the processing system setup parameters and format to the non-legacy processing system;
transferring the microdevice information from the computer system to the non-legacy processing system;
transferring the processing system format from the computer system to the non-legacy processing system;
processing the microdevices;
obtaining information from the processing of the microdevices; and
transferring the information from the processing of the microdevices to the computer system.

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10. (original) The method as claimed in claim 9 wherein the step of: transferring includes the use of a portable memory medium.
11. (original) The method as claimed in claim 9 wherein the step of: transferring includes the use of a direct communication connection.
12. (original) The method as claimed in claim 1 including the steps of providing an administrator mode; and protecting provision of the operator mode using a password input in the administrator mode.
13. (currently amended) A method for processing and programming programmable microdevices comprising:
 - providing a computer system having processing information and programming information related to programmable microdevices combined as a task in the computer system;
 - providing a legacy processing system;
 - providing a programmer/feeder system for operating independently from the computer system;
 - providing the task from the computer system to the programmer/feeder system;
 - performing the task by the programmer/feeder system independent of the computer system by processing and programming the programmable microdevices;
 - developing return programmer/feeder information resulting from the programmer/feeder system using the processing information;
 - returning the return programmer/feeder information to the computer system;
 - ~~providing processing system setup and shutdown parameters;~~
 - ~~providing processing system process specific parameters;~~
 - providing the processing system setup parameters to the legacy processing system and the programmer/feeder system;
 - providing the processing system shutdown parameters to the programmer/feeder system simultaneously with the processing system parameters;
 - providing the number of processed programmable microdevices to be output from legacy processing system and the programmer/feeder system;

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providing the processing system process-specific parameters to legacy processing system and the programmer/feeder system;
controlling the handling of the programmable microdevices;
programming the programmable microdevices;
providing the processing system shutdown parameters to the legacy processing system;
providing a number of programmable microdevices;
determining the number of programmable microdevices processed;
determining the number of programmable microdevices handled; and
developing statistics from the number of programmable microdevices processed and handled.

14. (previously presented) The method as claimed in claim 13 additionally comprising:

providing a microdevice programming system in the programmer/feeder system, the programmer/feeder system having an on-line connection with said computer system; and
performing the task by the programmer/feeder dependent on the computer system using programming information obtained through the on-line connection.

15. (previously presented) The method as claimed in claim 13 additionally comprising:

providing an operator mode;
using portable memory medium to provide the task in the operator mode to the programmer/feeder system independent from the computer system;
returning return programmer/feeder information in the operator mode using the portable memory medium to the computer system; and
storing the return programmer/feeder information in the computer system.

16. (previously presented) The method as claimed in claim 13 comprising:
providing an administrator mode;
providing the processing and programming information related to the task in the administrator mode;

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editing the processing and programming information related to the task in the administrator mode; and
storing the processing and programming information related to the programmable microdevices for the legacy processing system and the programmer/feeder system in the administrator mode.

Claims 17-18 (cancelled)

19. (previously presented) The method as claimed in claim 13 additionally comprising:

serializing the programmable microdevices; and
maintaining a log of the serialized programmable microdevices.

20. (previously presented) The method as claimed in claim 13 additionally comprising:

combining a plurality of tasks to define a kit; and
performing the programming of a kit in the legacy processing system and the programmer/feeder.

21. (previously presented) The method as claimed in claim 13 additionally comprising:

providing programmable microdevice information;
providing programmer/feeder system setup parameters;
providing format information related to the programmer/feeder system;
inputting the number of processed programmable microdevices to be output from the programmer/feeder system;
providing the programmer/feeder system setup parameters and format to the programmer/feeder system;
transferring the programmable microdevice information from the computer system to the processing system;
transferring the programmer/feeder system form from the computer system to the programmer/feeder system;
processing the programmable microdevices;
obtaining information from the processing of the programmable microdevices; and

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transferring the information from the programming of the programmable microdevices.

22. (original) The method as claimed in claim 21 wherein the step of: transferring includes the use of a portable memory medium.

23. (original) The method as claimed in claim 22 wherein the step of: transferring includes the use of a local area network connection.

24. (original) The method as claimed in claim 13 including the steps of: providing an administrator mode; and protecting provision of the operator mode using a password input in the administrator mode.

25. (previously presented) The method as claimed in claim 13 including the step of:

providing information for affecting changes selected from a group consisting of software, firmware, and a combination thereof by using a portable memory medium.

26. (canceled)

27. (currently amended) ~~The method as claimed in claim 26 additionally comprising:~~ A method for processing microdevices comprising:

providing a computer system having processing information related to the microdevices as a task;

providing a legacy processing system;

providing a non-legacy processing system;

providing the task from the computer system to the legacy processing system with constant interaction therebetween;

providing the task from the computer system to the non-legacy processing system for performing the task by the non-legacy processing system independent of the computer system;

developing return non-legacy information resulting from the non-legacy processing system using the task;

returning the return non-legacy information to the computer system;

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providing a microdevice programming system in the legacy processing system, the legacy processing system having an on-line connection with said computer system; and

programming the microdevices in the microdevice programming system using the task provided through the on-line connection from the computer system to the processing system.

28. (canceled)

29. (canceled)

30. (currently amended) The method as claimed in claim ~~26-27~~ including additionally comprising:

~~providing processing system setup and shutdown parameters;~~

~~providing processing system process-specific parameters;~~

providing the processing system setup parameters to the legacy processing system and the non-legacy processing system;

providing the processing system shutdown parameters to the non-legacy processing system simultaneously with the processing system setup parameters;

providing the number of processed microdevices to be output from the legacy processing system and the non-legacy processing system;

providing processing system process-specific parameters to the legacy processing system and the non-legacy processing system;

controlling the handling of the microdevices;

processing the microdevices; and

providing the processing system shutdown parameters to the legacy processing system.

31. (previously presented) The method as claimed in claim 30 additionally comprising:

providing a number of microdevices;

determining the number of microdevices processed;

determining the number of microdevices handled; and

developing statistics from the number of microdevices processed and handled.

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32. (previously presented) The method as claimed in claim 30 additionally comprising:

serializing the microdevices; and
maintaining a log of the serialized microdevices.

33. (canceled)

34. (currently amended) The method as claimed in claim ~~26-27~~ additionally comprising:

providing microdevice information;
providing processing system setup parameters;
providing format information related to the off-line connection;
inputting the number of processed microdevices to be output from the processing system;
providing the processing system setup parameters and format to the processing system;
transferring the microdevice information from the computer to the processing system;
transferring the processing system format from the computer to the processing system;
processing the microdevices;
obtaining information from the processing of the microdevices; and
transferring the information from the processing of the microdevices.

35. (previously presented) The method as claimed in claim 34 wherein:
transferring includes the use of a portable memory medium.

36. (previously presented) The method as claimed in claim 34 wherein:
transferring includes the use of a direct communication connection.

37. (canceled)

38. (canceled)

39. (currently amended) ~~The method as claimed in claim 38 additionally comprising:~~ A method for processing and programming programmable microdevices comprising:

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providing a computer system having processing information and programming information related to the programmable microdevices combined as a task in the computer system;

providing a legacy processing system;

providing a programmer/feeder system;

providing the task from the computer system to the programmer/feeder system;

performing the task by the programmer/feeder system independent of the computer system by processing and programming the programmable microdevices;

developing return programmer/feeder information resulting from the programmer/feeder system using the processing information; and

returning the return programmer/feeder information to the computer system;

providing a microdevice programming system in the programmer/feeder system, the programmer/feeder system having an on-line connection with said computer system; and

performing the task by the programmer/feeder dependent on the computer system using programming information obtained through the on-line connection.

40. (canceled)

41. (canceled)

42. (currently amended) The method as claimed in claim 38-39 additionally

comprising:

~~providing processing system setup and shutdown parameters;~~

~~providing processing system process-specific parameters;~~

providing the processing system setup parameters to the legacy processing system and the programmer/feeder system;

providing the processing system shutdown parameters to the programmer/feeder system simultaneously with the processing system parameters;

providing the number of processed programmable microdevices to be output from legacy processing system and the programmer/feeder system;

providing the processing system process-specific parameters to legacy processing system and the programmer/feeder system;

controlling the handling of the programmable microdevices;

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programming the programmable microdevices; and
providing the processing system shutdown parameters to the legacy processing system.

43. (previously presented) The method as claimed in claim 42 additionally comprising:

providing a number of programmable microdevices;
determining the number of programmable microdevices processed;
determining the number of programmable microdevices handled; and
developing statistics from the number of programmable microdevices processed and handled.

44. (previously presented) The method as claimed in claim 42 additionally comprising:

serializing the programmable microdevices; and
maintaining a log of the serialized programmable microdevices.

45. (canceled)

46. (currently amended) The method as claimed in claim ~~38-39~~ additionally comprising:

providing programmable microdevice information;
providing programmer/feeder system setup parameters;
providing format information related to the programmer/feeder system;
inputting the number of processed programmable microdevices to be output from the programmer/feeder system;
providing the programmer/feeder system setup parameters and format to the programmer/feeder system;
transferring the programmable microdevice information from the computer system to the processing system;
transferring the programmer/feeder system form from the computer system to the programmer/feeder system;
processing the programmable microdevices;
obtaining information from the processing of the programmable microdevices; and

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transferring the information from the programming of the programmable microdevices.

47. (previously presented) The method as claimed in claim 46 wherein: transferring includes the use of a portable memory medium.

48. (previously presented) The method as claimed in claim 47 wherein: transferring includes the use of a local area network connection.

49. (canceled)

50. (canceled)